

Ballast-to-Lamp Remote Mounting Distances For Standard Metal Halide Ballasts

Lamp		Maximum one way Ballast-to-Lamp distance (feet) - By Wire size (gauge)				
Wattage	ANSI	#10	#12	#14	#16	#18
175	M57	425'	265'	165'	105'	65'
250	M58	300'	190'	120'	75'	45'
400	M59	200'	125'	75'	50'	30'
1000	M47	325'	205'	125'	80'	50'
1500	M48	225'	140'	85'	55'	35'

The distances at which most **standard Metal Halide** ballasts can be located from their respective lamps are limited by the ballast-to-lamp wire size.

In any electric circuit, some minute voltage is lost due to the copper conductor's resistance. In long distances between Metal Halide lamps and ballasts, enough voltage could drop to hinder starting and maintenance of the lamp arc tube.

Therefore thicker conductors are required for longer distances to reduce the losses.

Note: For HPS, Pulse Start Metal Halide and some low wattage Metal Halide, the mounting distances are limited by the ignitor and are between 2 feet and 20 feet depending on wattage and type. Long Range Ignitors are available for up to 50'.